



VeriTrans4G Interface Details

~ Convenience Store Payment ~

Ver. 1.0.1 beta (October 2017)

Table of contents

Chapter 1 About this Document.....	3
1-1 Contents of this Guide.....	3
1-2 Copyright and Contact Details	3
1-3 Revision History	3
Chapter 2 Interface Details ~ Convenience Store Payment ~	4
2-1 Common	4
2-2 Convenience Store Payment Request.....	5
2.2.1 Request Message: CvsAuthorizeRequestDto.....	5
2.2.2 Response Message: CvsAuthorizeResponseDto	6
2-3 Convenience Store Payment Cancellation	8
2.3.1 Request Message: CvsCancelRequestDto.....	8
2.3.2 Response Message: CvsCancelResponseDto	8
2-4 Result Notification (Convenience Store Payment).....	9
Chapter 3 Other - Supplementary Items	11
3-1 Convenience Store Payment Display Matters	11
3-2 Convenience Store Payment - Notes at time of Payment	13
3-3 Convenience Store Payment - List of Permitted Characters.....	14

Chapter 1 About this Document

1-1 Contents of this Guide

This guide is intended for developers integrating their website with VeriTrans4G MDK (Merchant Development Kit) offered by VeriTrans Inc. It also describes the interface details used in VeriTrans4G Convenience Store Payments.

For more information about VeriTrans4G, please refer to the "VeriTrans4G Development Guide".

Interface details are provided for each payment service separately. Please refer to the relevant document.

1-2 Copyright and Contact Details

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1-3 Revision History

2017/04: Released Ver1.0.0

2017/10: Released Ver1.0.1 Added push URL item to the Request Message

Chapter 2 Interface Details ~ Convenience Store Payment



This chapter provides an explanation about the message (Dto) used in each payment. Fields given in the following table can be used by the merchants.

Though each message (Dto) may have fields that are not given in the following table, merchants cannot use such fields.

2-1 Common

- The contents of the "Settings" column are as follows.

Request Message ... Mandatory field: ○ Optional field: △ Settings disabled: X Other conditions: *, *n (Conditions are given in the description column or outside the column.)

Response Message ... Always returned: ○ Returned only when processing is successful: △ Not returned: X Other conditions: *

- About orderId (order ID)

Merchant should assign a (unique) number randomly. The number needs to be assigned for each payment application process. Assign a (unique) ID that is different from other order IDs.

The order ID must be unique across other payment services as well.

The order ID used in the test order cannot be re-used in the live order.

In the order ID, "-" (hyphen) and "_" (underscore) can also be used besides the single byte alphanumeric characters.

2-2 Convenience Store Payment Request**2.2.1 Request Message: CvsAuthorizeRequestDto**

Request Message: CvsAuthorizeRequestDto				
Field Name	Item Name	Format and Limitations	Description	Settings
serviceOptionType	Payment service option	Please refer to the description in the right column.	"sej" : 7-Eleven "econ" : econext (LAWSON, FamilyMart, Circle K Sunkus, MINISTOP, Seicomart) "other" : Other (Daily YAMAZAKI)	○
orderId	Order ID	Single byte alphanumeric characters; 100 characters or less	Please refer to "About orderId (Order ID)" described in 2-1 Common.	○
amount	Amount	Single byte numbers; 6 digits or less	1 to 299,999. <u>* If the amount of 0 Yen or the amount of 300,000 Yen or more is specified, either it will result in an error or there is the possibility that the payment request may not be accepted at the convenience store.</u>	○
name1	Customer last name	Double byte; 20 bytes or less	Customer last name The size of the character string specified is with consideration that single double byte character is 2 bytes. In case of 20 bytes, it is double byte 10 characters. * For details, please refer to the "3-3 Convenience Store Payment - List of Permitted Characters".	○
name2	Customer first name	Double byte; 20 bytes or less	Customer first name The size of the character string specified is with consideration that single double byte character is 2 bytes. In case of 20 bytes, it is double byte 10 characters. * For details, please refer to the "3-3 Convenience Store Payment - List of Permitted Characters".	○
telNo	Telephone number	Single byte numbers; 13 digits or less Please refer to the description in the right column.	Customer telephone number In case of only numbers - 11 digits or less and in case of numbers including hyphen - 13 digits or less For example) 0311112222, 03-1111-2222, 09011112222, 090-1111-2222 * Do not set the telephone number as a fixed value.	○
payLimit	Payment term	Single byte numbers; 10 digits Please refer to the description in the right column.	In YYYY/MM/DD format 7-Eleven : Can specify 150 days from transaction day econext : Can specify 60 days from transaction day Other : Can specify 365 days from transaction day	○

Request Message: CvsAuthorizeRequestDto				
Field Name	Item Name	Format and Limitations	Description	Settings
pushUrl	Push URL	Single byte characters that can be used in URL 256 characters or less	Specifies payment notification URL * If this is not specified, the payment notification URL set in "Setting change" of MAP will be use for notification.	△
paymentType	Payment type	"0" Fixed. Please refer to the description in the right column.	* Reserved parameter. Always set it to "0".	○
free1	Remark 1	String; For details, please refer to the description in the right column.	Remarks Column (It is used for item details etc.) 7-Eleven : Cannot be used econtext : Optional (50 bytes) Other : Optional (32 bytes)	*
free2	Remark 2	String; For details, please refer to the description in the right column.	Remarks Column (It is used for item details etc.) 7-Eleven : Cannot be used econtext : Cannot be used Other : Optional (32 bytes)	*

2.2.2 Response Message: CvsAuthorizeResponseDto

Response Message: CvsAuthorizeResponseDto				
Field Name	Item Name	Format and Limitations	Description	Settings
serviceType	Payment service type	Single byte alphanumeric characters; 10 characters or less	Payment service type sent by request message.	○
mstatus	Process result code	Single byte alphanumeric characters; 32 characters or less	"success" : Normal Termination "failure" : Abnormal Termination "pending" : Pending	○
vresultCode	Detailed result code	Single byte alphanumeric characters; 16 characters	Code that represents the process result in detail. It consists of 4 blocks of 4 digits each and each block represents the process result of each service. For details, please refer to the "Result Code List" separately.	○
merrMsg	Error message	String; 1024 bytes or less	Process result in Japanese or English.	○
marchTxn	Message ID	String; 100 characters or less	ID assigned by payment server per payment process message (including internal process). Multiple IDs are assigned to a single Order ID.	○

Response Message: CvsAuthorizeResponseDto				
Field Name	Item Name	Format and Limitations	Description	Settings
orderId	Order ID	Single byte alphanumeric characters; 100 characters or less	(Unique) order ID assigned randomly and sent by the merchant at the time of payment request.	○
custTxn	ID assigned per transaction	String; 100 characters or less	A (unique) ID to be assigned by payment server for linking the order (order ID).	○
receiptNo	Receipt number	String; 32 characters or less	It is a Receipt number that is issued when payment application request is successful. <ul style="list-style-type: none"> • 7-Eleven: Payment slip number (13 digits) • econtext : Receipt number (6 digits) • Other : Online payment number (11 digits) 	△
haraikomiUrl	Payment slip URL	Single byte alphanumeric characters; 256 characters or less	This is a payment slip URL returned from convenience store. <ul style="list-style-type: none"> * 7-Eleven: It displays the page for PC, smartphone, mobile phone etc. based on the device used by consumer. * econtext: Not returned. * Daily YAMAZAKI, YAMAZAKI Daily Store: It supports the display and payment through mobile phones. Please use it by replacing the "https://~.info/JLP/JLPcon" part of return value with "https://w2.kessai.info/JLM/JLMcon". For example) https://w2.kessai.info/JLM/JLMcon?code=xxx-&rkbn=1	*
txnVersion	MDK version	Single byte alphanumeric characters; 5 characters	Message version It is not generally used except in the case of a problem.	○

2-3 Convenience Store Payment Cancellation

In case of convenience store payment, payment application can be cancelled before payment.

Please note that it cannot be cancelled after the consumer has made payment at the convenience store.

2.3.1 Request Message: CvsCancelRequestDto

Request Message: CvsCancelRequestDto				
Field Name	Item Name	Format and Limitations	Description	Settings
serviceOptionType	Payment service option	Please refer to the description in the right column.	"sej" : 7-Eleven "econ" : econext (LAWSON, FamilyMart, Circle K Sunkus, MINISTOP, Seicomart) "other" : Other (Daily YAMAZAKI)	<input type="radio"/>
orderId	Order ID	Single byte alphanumeric characters; 100 characters or less	Order ID assigned at the time of payment application request	<input type="radio"/>

2.3.2 Response Message: CvsCancelResponseDto

Response Message: CvsCancelResponseDto				
Field Name	Item Name	Format and Limitations	Description	Settings
serviceType	Payment service type	Single byte alphanumeric characters; 10 characters or less	Payment service type sent by request message.	<input type="radio"/>
mstatus	Process result code	Single byte alphanumeric characters; 32 characters or less	"success" : Normal termination "failure" : Abnormal termination "pending" : Pending	<input type="radio"/>
vresultCode	Detailed result code	Single byte alphanumeric characters; 16 characters	Code that represents the process result in detail It consists of 4 blocks of 4 digits each and each block represents the process result of each service. For details, please refer to the "Result Code List" separately.	<input type="radio"/>
merrMsg	Error message	String; 1024 bytes or less	Process result in Japanese or English	<input type="radio"/>
marchTxn	Message ID	String; 100 characters or less	ID assigned by the payment server per payment process message (including internal process). Multiple IDs are assigned to a single Order ID.	<input type="radio"/>
orderId	Order ID	Single byte alphanumeric characters; 100 characters or less	(Unique) order ID assigned randomly and sent by the merchant at the time of payment request.	<input type="radio"/>

Response Message: CvsCancelResponseDto				
Field Name	Item Name	Format and Limitations	Description	Settings
custTxn	ID assigned per transaction	String; 100 characters or less	(Unique) ID assigned by VeriTrans3G to link the order (Order ID).	<input type="radio"/>
txnVersion	MDK version	Single byte alphanumeric characters; 5 characters	Message version It is not generally used except in the case of a problem.	<input type="radio"/>

2-4 Result Notification (Convenience Store Payment)

The payment server receives payment completion information (payment made by consumer) from the payment center and after verifying that the relevant payment has been received, it sends a payment-received notification to the merchant.

* Result notification will be sent for payment-received transaction.

Please refer to the "Development Guide" for the common specifications of service related to result notification.

Item Number	Field Name	Item Name	Format and Limitations	Description
1	numberOfNotify	Number of records in notification	Single byte numbers; 4 digits or less	Single notification can contain a maximum of 1,000 records 1001 onwards records are notified next time
2	pushTime	Transmission time	Single byte numbers; 14 digits	Date and time when the notification is sent from payment server In YYYYMMDDhhmmss format
3	pushId	Identification ID	Single byte numbers; 8 digits	(Unique) ID assigned while performing the push process Note) It may duplicate with the ID used in other payment services.
Below mentioned Item numbers (4~9) are repeated for the notification records. Further, 4-digit serial number (0000-0999) is assigned after the field name.				
4	orderId	Order ID	Single byte alphanumeric characters; 100 characters or less	

VeriTrans4G Interface Details ~ Convenience Store Payment ~

Item Number	Field Name	Item Name	Format and Limitations	Description
5	cvstype	Convenience Store type	Single byte alphanumeric characters; 10 characters or less	"sej": 7-Eleven "econ-lw": LAWSON "econ-fm": FamilyMart "econ-sn": Sunkus "econ-ck": Circle K "econ-mini": MINISTOP "econ-other": Seicomart "other": Other (Daily YAMAZAKI) * It notifies the name of the convenience store chain where the consumer has made a payment (in the case of Circle K Sunkus, "econ-sn" (Sunkus) or "econ-ck" (Circle K) is returned)
6	receiptNo	Receipt number	Single byte alphanumeric characters; 32 characters or less	
7	receiptDate	Completion Date and Time	Single byte numbers; 14 digits	Time when payment is made by consumer In YYYYMMDDhhmmss format
8	rcvAmount	Received Amount	Single byte numbers; 6 digits or less	
9	dummy	Dummy payment flag	Single byte numbers; 1 digit	"1" in case of dummy data

(Notes)

◇ As pushId (identification ID) may duplicate with Id used in other payment services, please do not treat it as a unique key.

Chapter 3 Other - Supplementary Items

3-1 Convenience Store Payment Display Matters

As per the guidelines of each convenience store company, the matters those need to be displayed on the merchant's web page are described.

■ 7-Eleven

7-Eleven Japan Co. Ltd. utilizes the purchase amount information of goods etc. described on the payment slip for management and statistical purposes. Considering the customer's privacy, it is utilized in a way, that it will not reveal an identity of a person.

1. Mandatory Publication Points

- (1) The fact that 7-Eleven Japan Co. Ltd. through its stores works as an agency to receive money for goods purchased by customers
- (2) Address, billing descriptor and name of representative
- (3) Matters related to cancellation of request and rejection of purchased goods or a service offering by a customer in 7-Eleven stores
- (4) Payment has to be made in Japanese Yen in 7-Eleven stores all across Japan
- (5) Contents of goods, terms of delivery, price, payment, cancellation of request and other terms & conditions
- (6) Customer service contact details or e-mail address for goods inquiry
- (7) Contact details in case of claim about goods
- (8) Procedure required for returning of goods or for the cooling-off period of goods etc.
- (9) Limitation of liability for damages

2. Recommended Publication Points

- (1) Whenever possible the customer should be an adult and the store may prohibit the request in the case where it is made by another person other than the person himself such as a request with a fictitious name or with an anonymous name
- (2) When the Consumer Contract takes effect
- (3) Registration and usage of personal information of customer
- (4) Consumer understands and agrees that the Consumer Contract is a "standard form" contract and is subject to change without notice

■ **LAWSON, FamilyMart, Circle K Sunkus, MINISTOP, Seicomart**

1. About collection business

- (1) Name of the merchant
- (2) Location of the merchant
- (3) Telephone number and e-mail address of the merchant
- (4) Sales manager's name and how to contact the responsible person of the merchant
- (5) Selling price of goods, tax, shipping charges and other necessary costs (hereinafter, referred to as 'Goods' price' including all of these collectively)
- (6) Delivery period of the goods
- (7) Payment period and method for payment of goods
- (8) Points concerning returning of goods and cancellation of goods
- (9) Details of how the transmitted customer data has been safely protected
- (10) Other than the above-mentioned points determined by the Specific Trade Law

2. About the cancellation of request, return and exchange of goods

For all the items sold to a customer, the return or exchange of items is accepted for a fixed period set by the merchant after the item is delivered to the final recipient. The same shall be specified on the merchant site at the time of the sale.

However, in the case where items cannot be returned or exchanged, depending on their properties, the same shall be mentioned on the merchant site at the time of the sale.

■ **Daily YAMAZAKI and YAMAZAKI Daily Stores**

Nothing in particular.

3-2 Convenience Store Payment - Notes at time of Payment

There are a few aspects that the consumer needs to pay attention to while making a payment at each convenience store. The following are the same contents as shown on the sample page.

In addition, mention clearly that, for the payment made at the convenience store, it cannot be refunded at any of the convenience stores.

7-Eleven

Print the payment slip, or note down the payment slip number on a paper to pay at any of the 7-Eleven store all across Japan.

If you are taking the payment slip number on paper, and presenting it at the store, then Inform the clerk that you'd like to make "Payment for internet order".

LAWSON, FamilyMart, Circle K Sunkus, MINISTOP, Seicomart

Please note down the receipt number on a paper and pay at any of the convenience stores such as LAWSON, FamilyMart, Circle K Sunkus, MINISTOP or Seicomart all across Japan.

Other

Print the payment application completion page or note down the online payment number on paper and pay at Daily YAMAZAKI or YAMAZAKI Daily Stores all across Japan. If you are taking only the online payment number on paper, and presenting it at a store, then inform the clerk that you'd like to make, "Payment for online order".

* For details, login to MAP and refer to the "Operation Guide Convenience Store Payments" in the Help Menu.

Moreover, for sample pages for payment flow at each convenience store, refer to "Operation Guide Convenience Store Payments".

3-3 Convenience Store Payment - List of Permitted Characters

The following shows the range of permitted characters from **JIS basic kanji (JIS X 0208)**, for the following double byte fields of convenience store payment.

If characters other than mentioned in the range are used, it may get garbled even though the process result is successful.

- Customer last name (name1), Customer first name (name2)

Character Separator	Contents
Separator 01	Macron — Kanji iteration mark 々 Kana iteration mark ン ン ン ン Ditto mark " CLOSED 々
Separator 03	Numbers and alphabets
Separator 04	Hiragana
Separator 05	Katakana
Separator 16~ Separator 47	Level 1 Kanji
Separator 48~ Separator 84	Level 2 Kanji